

# GARDNER DENVER DRILLING PUMP CONSUMABLES<sup>1</sup> DELIVER BIG RESULTS IN FIELD TRIALS

“We always test our consumable products in the most challenging drilling environments.”

- Rylan Ardoin | Sales Director - Drilling Pump Aftermarket

## CHALLENGE

- The need for reliable and efficient equipment is vital for survival in today's competitive drilling market.

## SOLUTION

- Gardner Denver has been steadfast in its development of superior drilling pumps and associated consumables, including pistons, seals, valves and seats.

## RESULTS

- Gardner Denver was pleased to see its products meet or exceed industry standards and help our customers maximize operational efficiency.

As the industry continues to shake off its latest downturn, the focus on achieving operational excellence and efficiency has significantly increased. With the U.S. rig count closing in on 400 active rigs, it is important to note that only the most productive and best performing rigs are being reactivated and stood upright again. And while drilling contractors have scaled back the last few years on equipment upgrades, the need for reliable and efficient equipment is vital for survival in today's competitive drilling market. As drilling pumps are pushed to the max, the expectation for superior performance among drilling contractors and operators is paramount. Drilling pump consumables are mission critical to achieving this high-level performance.

## INNOVATION

As part of its 160-year commitment to innovation, Gardner Denver has been steadfast in its development of superior drilling pumps and associated consumables, including pistons, seals, valves and seats. Dependable drilling pump performance is critical for productive drilling operations and keeping downtime to a minimum.

Since launching our Redline drilling consumables in 2017, Gardner Denver has recorded countless hours of superior performance. From working on rigs operated by the largest drilling contractor in the world to much smaller operations, our Redline consumables have proven themselves time and time again in high pressure, high temperature drilling conditions.

“We always test our drilling consumables in the most challenging drilling environments” said Rylan Ardoin, Director - Drilling Products with Gardner Denver. “Testing products is always a risky proposition for our customers because of potential failures and subsequent downtime, but when a new product can improve productivity, it's a big win! After four years of success, Gardner Denver consumables have gained the respect and have been adopted by numerous drilling contractors.”

## THE RESULTS

Gardner Denver's bonded pistons and valves feature a proprietary urethane blend for extended performance and durability. To measure product reliability, we monitored performance of Gardner Denver's 5" flex-lip pistons along with our full-open, valves and seats. The test was conducted on a drilling rig operating in the that is equipped with Gardner Denver 1600HP/7500 psi PXL pumps.

This was a multi-well, horizontal drilling pad with total well depths over 19,000 feet. Peak pressure recorded over the drilling operations was in excess of 5,400 psi and flow line temperatures were nearly 200°F. Both oil and water-based drilling muds were utilized in the various stages of the drilling operation. A summary of the performance hours is illustrated in the charts on the following page.

## LOCATION

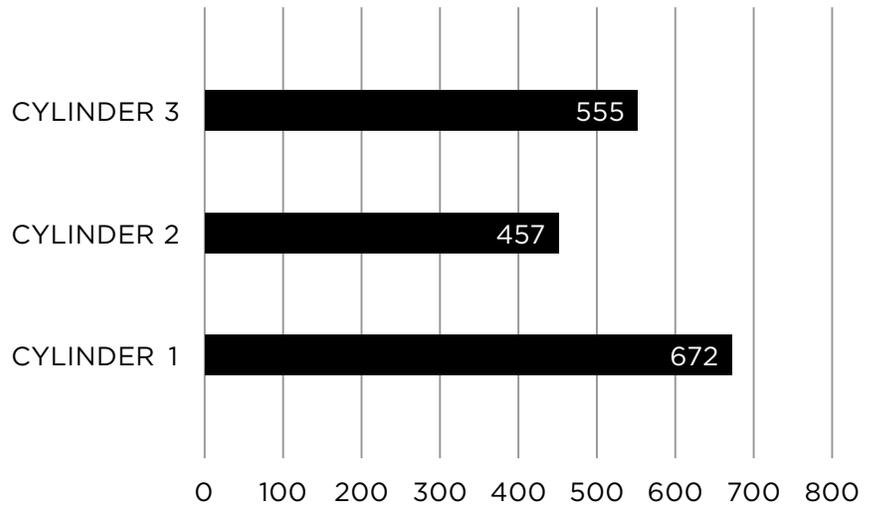


# PERFORMANCE<sup>1</sup>

Per the results to the right, Gardner Denver was pleased to see its products meet or exceed industry standards and help our customers maximize operational efficiency. Gardner Denver's ongoing commitment to continuous innovation allows us to deliver the best performing consumables that meet the increasing demands of today's drilling environments.



## 5" PISTON PERFORMANCE (HOURS)



## API-6 VALVE & SEAT PERFORMANCE (HOURS)

